

Forest Cutting Plan

Landowner Information Sheet for
Chapter 132 – The Forest Cutting
Practices Act, 304 CMR 11.00
Effective Date: 1/1/04

Please Read **BEFORE** signing your Cutting Plan and keep for your own records.

If you have any questions, call the nearest DCR regional office (listed on page 2) or

1 800-783-2311

<http://www.state.ma.us/dem/forestry/programs/index.htm>

The Massachusetts Forest Cutting Practices Act:

The Massachusetts Forest Cutting Practices Act (the “Act”) requires the improvement, maintenance, and protection of forest lands for the purpose of conserving water, preventing floods and soil erosion, improving the conditions for wildlife and recreation, protecting and improving air and water quality, and providing a continuing and increasing supply of forest products. The Act requires that a Forest Cutting Plan be filed with the appropriate Department of Conservation and Recreation (DCR) Regional office before harvesting timber to ensure that these values are protected. The cutting plan is meant to satisfy the law, reflect **your objectives for your land**, and help you understand the proposed harvest.

Your Objectives:

The most important information on a Forest Cutting Plan is the landowner’s objectives. You will be asked to choose between Long-term Forest Management or a Short-term Harvest. This choice will determine which trees will be harvested and which will remain; **this decision will also determine the future condition of the forest for decades to come.** You will indicate your objective by checking one of two boxes in the Landowner Signature Section on page 4. Information on the two choices is provided below.

Long-term Forest Management

Long-term Forest Management means the planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income from harvesting activity, maintain or enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products such as maple syrup.

This strategy employs the science and art of forestry to help you manage your property to achieve multiple objectives, preserve future management options, and maximize economic return.

Short-term Harvest

Short-term Harvest means the selection of trees for cutting based on the economic value of individual trees which commonly results in a residual forest stand dominated by poor quality trees and low value species. While this strategy produces immediate income and meets the **minimum** standards of the act, it does little to improve the future condition of the forest. A Short-Term harvest can limit future income and management options by:

- Removing trees before they reach economic maturity
- Leaving little value for future harvests
- Retaining slow growing or poor quality trees
- Removing mostly large diameter or high value species (such as oak) that could act as a seed source for growing future high quality trees or provide food for wildlife

As the landowner, the type of management implemented on your property is ultimately your decision. The DCR hopes you will consider taking a long-term management approach, but most importantly, we want you to make an informed decision by having your forest management options explained. DCR service foresters can provide more information about these options. Contact the nearest office listed below.

Your Responsibilities

A harvest of forest products can have significant impact on your forest and your finances. The cutting plan identifies the standards for cutting, logging, and engineering minimally necessary for protecting the named public values established in the Forest Cutting Practices Act (MGL Ch 132). It is your responsibility to ensure that the harvesting activity complies with the approved forest cutting plan.

The DCR recommends that landowners protect their interests when selling timber. You are encouraged to explore all your options including hiring a licensed professional to plan, oversee or conduct your timber sale, obtaining competitive proposals from licensed foresters for their professional services or inviting competitive bids from licensed loggers. In addition, you should have a separate timber sale contract that addresses your own expectations for items such as payment schedules, road conditions, aesthetics, and other concerns not covered by the Forest Cutting Practices Act and its regulations.

A Forest Management Plan (Chapter 61, Chapter 61A, Forest Stewardship Plans)

The DCR recommends the best way to make decisions about implementing long-term objectives is within the framework of a forest management plan prepared by a Massachusetts licensed forester. Forest management plans provide you with maps, forest stand descriptions, and management recommendations based on objectives that you identify. A forest management plan is one requirement to receive favorable tax treatment for your forestland under M.G.L. Chapter 61 or Chapter 61A. You may also elect to join the Forest Stewardship Program, in which cost-sharing may reimburse a portion of the expense of having a forest management plan prepared. This Stewardship Plan makes you eligible to receive additional cost-share to do a variety of forest management practices. Current DCR policy stipulates that forest cutting plans for forest lands classified under Ch. 61 or 61A or certified under the Forest Stewardship Program must be prepared by a Massachusetts licensed forester or the landowner. Contact a DCR service forester for more information on all of these programs, or visit our website at <http://www.state.ma.us/dem/forestry/programs/index.htm> and click on Service Forestry.

DCR Regional Offices

Southeastern Massachusetts
Region 1 Headquarters
(508) 866-2580

Central Massachusetts
Region 3 Headquarters
(978) 368-0126

Berkshires
Region 5 Headquarters
(413) 442-8928

Northeastern Massachusetts
Region 2 Headquarters
(978) 369-3350

Connecticut Valley
Region 4 Headquarters
(413) 545-5993

If you are not sure which
office to call dial:
(800) 783-2311

Forest Cutting Plan

and Notice of Intent under M.G.L.
Chapter 132 – The Forest Cutting
Practices Act, 304 CMR 11.00
(Effective Date: 1/1/04)

For DCR Use Only:

File Number	_____	Case No.	_____
Date Rec'd	_____	Nat. Hert.	_____ / _____
Earliest Start	_____	Nat. Hert. Imp.	_____
River Basin	_____	Pub. Dr. Wat.	_____
Gen. Obj.	_____	ACEC	_____

Site Information

Location

Town Haverhill
Road Kenoza Street & Amesbury Road
Acres 52 +/- Proposed Start Date 12/15/2015
Vol. MBF 79.424 Vol. Cds. 43 +/- Vol. Tons 1728 +/-

Plan Preparer

Name Gary H. Gouldrup, NEFCo
Address 72 Townsend Street

Town, State, Zip Pepperell, MA 01463
Phone 978-433-8780
Type of Preparer Mass. Licensed Forester - LF
*Mass. Forester License # 81
*Required for land under Ch61, Ch61A or Forest Stewardship

Landowner

Name City of Haverhill
Mailing Address C/o Robert Moore
City Hall Room 300, 4 Summer Street
Town, State, Zip Haverhill, MA 01830
Phone 978-374-2334
Ch61 ☐ Ch61A ☐ CH61B ☐ Stew ☒ *Case # _____
FSC GC ☐ CR ☐ CR Holder _____

Licensed Timber Harvester**

Name _____
Address _____
Town, State, Zip _____
Phone _____
Mass. Lic. Harvester # _____
**This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4	SC-5
Type of Crossing	BR	NA	NA	NA	NA
Existing Structure	No				
Type of Bottom	MU				
Bank Height (ft)	0.5				
Stabilization	COMU				

Wetland Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4	WC-5
Length of Crossing	NA	NA	NA	NA	NA
Mitigation					
Stabilization					

Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4	FS-5
Width (50', 100', or VA)	VA	50	VA	NA	NA

Harvesting in Wetlands

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)	NA	NA	NA	NA
Acres to be Harvested				
Resid. Basal Area (>50%?)				

Service Forester Comments

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LO Landowner	PO Poled	ST Stone		GR Gravel
OT Other	OT Other	HB Hay Bales		OT Other
		OT Other		

Note:
Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin. Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits. Consult MA Forestry BMP Manual for further information.

Products to be Harvested*

Species	Mbf/Cds		Mbf/Cds
White Pine	36.486	Red Maple	0.898
Red Pine	17.558	Sugar Maple	
Pitch Pine		Red Oak	3.651
Hemlock	0.585	Black Oak	3.922
Spruce	0.379	White Oak	0.130
Other Sftwd.	12.391	Other Hdwd.	0.76
White Ash		Total Mbf	79.424
Beech	0.35	Cordwood (Cds)	43+/-
White Birch		HK Pulp (Cds)	
B & Y Birch	1.40	HW Pulp (Tons)	
Black Cherry	0.914	Chips (Tons)	1,728+/-

*Note: Volumes and values indicated in the Plan are as reported by the plan preparer and have not been independently verified by the service forester upon approval. **Mbf** = thousand board feet.

Cutting Standards

Indicate location on map	ST-1	ST-2	ST-3	ST-4
Forest Type	RP-SCP	WH	OH	MH
Acres	12.3+/-	9.2+/-	12.8+/-	8.7+/-
Landowner Objective	LT	LT	LT	LT
Designation of Trees	CT	CT	CT	CT
Type of Cut	SE	SE	SE	SN
Source of Regeneration	AD-SE	AD-SE	AD-SE	AD-SE

See Page 6 for Stands 5 & 6

Landowner Signature

The most important information on a cutting plan is the Landowner's objective, as this will determine which trees will be harvested and which will remain; **this decision will also determine the future condition of the forest for decades to come.** After having read the Massachusetts Forest Cutting Plan Information Sheet on page one, indicate your objective by checking the appropriate box below.

☒ **LT – Long-term Forest Management**

Planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income, enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products.

☐ **ST - Short-term Harvest**

Harvest of trees with the main intention of producing short-term income with minimal consideration given to improving the future forest condition, which often results in a forest dominated by poor quality and low value species.

I (we) have read the Massachusetts Cutting Plan Information Sheet, and am aware of my (our) management options.

I (we) hereby certify that I (we) have the legal authority to carry out the operation described above.

I (we) certify that I (we) have notified the Conservation Commission in the town in which the operation is to take place and the abutters of record within two hundred feet of the area to be harvested.

I (we) understand that the volumes and values (Ch61 only) in this plan have not been independently verified by the service forester upon approval and will report final values and volumes to the Director or his/her agent if the final figures differ from those reported.

Signature of landowner(s)

Date

Determination and Status

	Approved	Disapproved	Expires
Cutting Plan	<input type="checkbox"/>	<input type="checkbox"/>	_____
Signature of Service Forester/Director's Agent	Date		
Extension	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Expires / Ser. For. Ints. /
Amendment	App 1 <input type="checkbox"/>	Dis 1 <input type="checkbox"/>	App 2 <input type="checkbox"/> Dis 2 <input type="checkbox"/> /

Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

Date

Forest Types

WP White Pine
WK WP/Hem
WH WP/Hdwd
WO WP/Oak
RP Red Pine
SR Red Spruce

HK Hemlock
HH Hem/Hdwd
BC Blck Cherry
BB Bee/Bir/Map
OH Oak/Hdwd
OR N Red Oak

OM Mixed Oak
RM Red Maple
BE Beech
SF Spruce/Fir
SM Sugar Maple
PP Pitch Pine

Designation of Trees

CT Cut Tree
LT Leave Tree
SB Stand Boundary
OT Other
Landowner Objective
LT Long-term Mgt.
ST Short-term Har.

Type of Cut

SH Shelterwood
ST Seed Tree
CC Clear Cut
SE Selection
SA Salvage
SN Sanitation

Intermediate Harvests:

CT Commercial Thin
NT Non Com Thin
Non-Standard Systems:
HG Highgrade*
DL Diameter Limit*
OT Other*

Source of Regeneration

AD Advanced
SE Natural Seed
PL Plant
CO Coppice
DS Direct Seed
OT Other

Forest Cutting Plan

Narrative Page (Effective Date: 1/1/04)

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

Landowner City of Haverhill

Town Haverhill

File Number _____

Cutting Standards

Indicate location on map	ST-5	ST-6
Forest Type	OH	OH
Acres	6.5+/-	2.5+/-
Landowner Objective	LT	LT
Designation of Trees	CT	CT
Type of Cut	OT	SE
Source of Regeneration	OT	OT

Stand Type 1 (ST-1):

This red pine and Scotch pine plantation will be treated in an individual and group selection harvesting system aimed at reducing the basal area by approximately 50%. The desire is to open the understory for new production of native tree species and to develop wind firm trees with healthy crowns in the overstory.

Stand Type 2 (ST-2):

This white pine and mixed hardwood forest type will be treated in a selection harvesting system where individual and small groups will be removed from the overstory. The desire is to open the understory for new production of native tree species and to develop wind firm trees with healthy crowns in the overstory. Approximately 1/3 of the basal area and overstory volume will be removed in this harvest.

Stand Type 3 (ST-3):

This mixed oak and mixed hardwood forest type will be treated in a selection harvesting system where individual and small groups will be removed from the overstory. The desire is to open the understory for new production of native tree species and to develop wind firm trees with healthy crowns in the overstory. Approximately 1/3 of the basal area and overstory volume will be removed in this harvest.

Stand Type 4 (ST-4):

This mixed hardwood forest type will be thinned as part of a sanitation harvest to remove as much of the existing invasive species in the stand as possible. Invasive species control is the primary objective in this treatment area. Harvesting poor quality trees that have been smothered by the bittersweet will be done to accomplish this goal. Mechanical harvesting equipment will cut the prolific invasive species understory to prepare the site for natural regeneration of native trees and vegetation. Other invasive species in the stand that will be cut include honeysuckle, buckthorn, firebush, barberry, and multiflora rose. Post harvesting treatments of the invasive species will include mechanical cutting by equipment such as flail-mower.

Stand Type 5 (ST-5):

This mixed oak and mixed hardwood stand overlooking Kenoza Lake will be thinned for the purpose of creating scenic vistas to and from the Winnekenni Castle located at the southern end of the treatment area. All understory trees less than four (4) inches in diameter will be cut to help accomplish this goal of the Winnekenni Foundation. The desire is to create fern, grass, and native ground cover vegetation that will be periodically mowed and maintained to preserve the vista that is created as a result of this harvest. Originally, trees to be harvested over four (4) inches in diameter were marked with blue paint at approximately 40% of the overstory volume. The Forest Management Committee would like to see only 20% of the overstory volume and basal area removed. The stand will be re-marked in orange paint at the 20% level prior to harvesting. The white pine stand along the east side of the driveway will only be lightly thinned as needed to maintain health.

Stand Type 6 (ST-6):

This mixed oak and mixed hardwood stand is adjacent to two parking lots and the Winnekenni Castle. Areas within 100 feet of the parking areas and Castle will be thinned to create scenic vistas while removing hazard trees near buildings, the Castle, and parking lots. The trees will be marked when mechanical logging equipment is on the property. It is estimated that approximately 20% of the overstory will be removed to accomplish this goal. Please see page 6 for basal area removal, quality of trees to be cut, and size of trees to be cut in the treatment area. All trees will be marked in ST-6 and approved by the Forest Management Committee before harvesting commences. All healthy larch trees along the driveway will be retained.

Forest Cutting Plan

Narrative Page (Effective Date: 1/1/04)

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

Landowner City of Haverhill

Town Haverhill

File Number _____

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

- 1) Flag skid trails prior to harvesting
- 2) Skid timber when ground conditions are dry, frozen or otherwise stable.
- 3) Whole-tree chipping will be conducted during the harvest for aesthetics, fire protection, and wood utilization.
- 4) Install water bars on steep slopes where necessary

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/Acre Removed
1	RP, SCP, MH, OM, WP	All Sizes	Poor to Good	50% +/-
2, 3	WP, MH, OM, MS	All Sizes	Poor to Good	33% +/-
4	MH, MS	All Sizes	Poor	25-33% +/-
5, 6	OM, RM, LA, RP, WP, MH	All Sizes	Poor to Good	20% +/-

Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

Stand No.	Source of Regeneration (ex. AD, SE)	How will Regeneration be obtained/protected? If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre
4	SE	Remove invasive species growth in the understory to encourage native tree regeneration.
5	NA	Encourage native ground cover establishment (ferns, grasses, etc...) that will be maintained after the harvest. A 25' filter strip of saplings (4" DBH and under) will be left along the south side of Dudley Porter Road for aesthetic purposes.
6	NA	Encourage native ground cover establishment (ferns, grasses, etc...) that will be maintained after the harvest.

Stand No. **Desired Future Condition**

Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory

All	See Forest Stewardship Management Plan on file with DCR.

A 50 foot aesthetic buffer strip will be left along Kenoza Street and the Haverhill Water Treatment Plant. Occasional low quality trees and suppressed trees will be cut in this buffer strip for safety and aesthetic improvements.

BOUNDARY & STAND TYPE MAP

Land in Haverhill, MA

Winnekenni Park & Plug Pond Conservation Area

Owned By:

City of Haverhill

Haverhill Conservation Department

COMPARTMENT #1

65.38 Acres



New England
Forestry Consultants, Inc.

Prepared By:

Gary H. Gouldrup

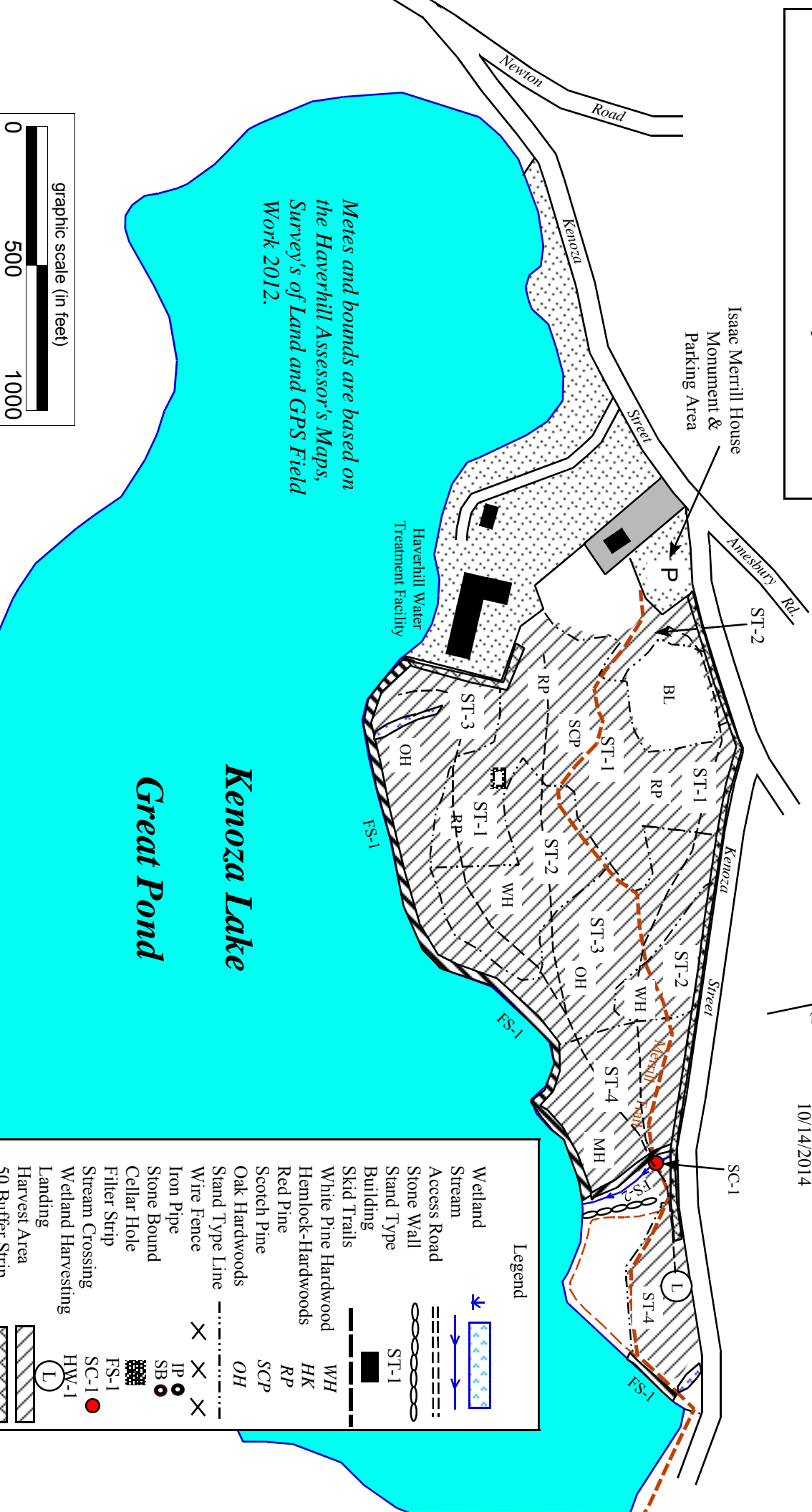
Consulting Forester

72 Townsend Street

Pepperell, MA 01463

978-433-8780

10/14/2014



Legend

Wetland		ST-1	
Stream		WH	
Access Road		HK	
Stone Wall		RP	
Stand Type		SCP	
Building		OH	
Skid Trails			
White Pine Hardwood			
Hemlock-Hardwoods			
Red Pine			
Scotch Pine			
Oak Hardwoods			
Stand Type Line			
Wire Fence			
Iron Pipe			
Stone Bound			
Cellar Hole			
Filter Strip			
Stream Crossing			
Wetland Harvesting			
Landing			
Harvest Area			
50 Buffer Strip			
Filter Strip			

BOUNDARY & STAND TYPE MAP

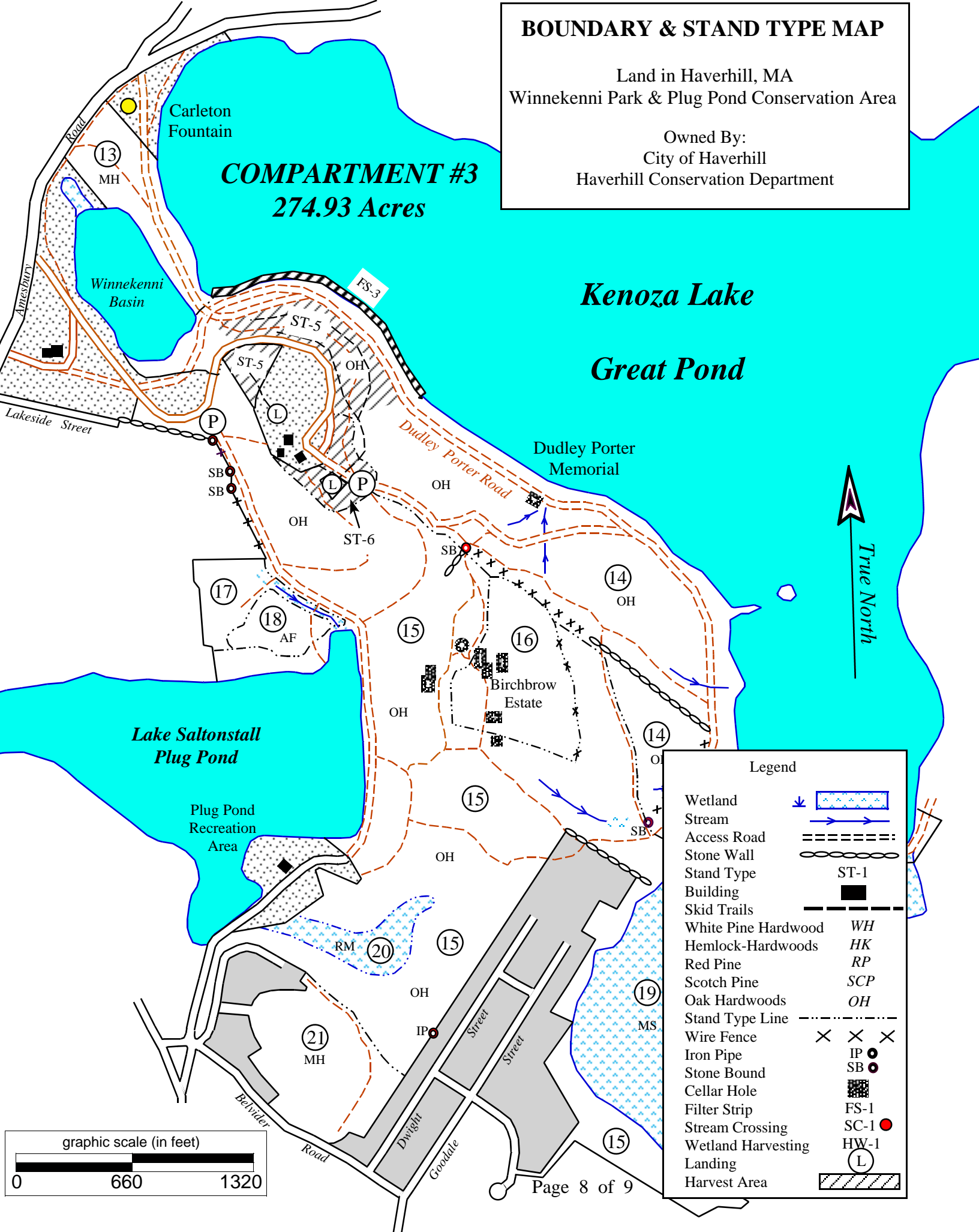
Land in Haverhill, MA
Winnekenni Park & Plug Pond Conservation Area

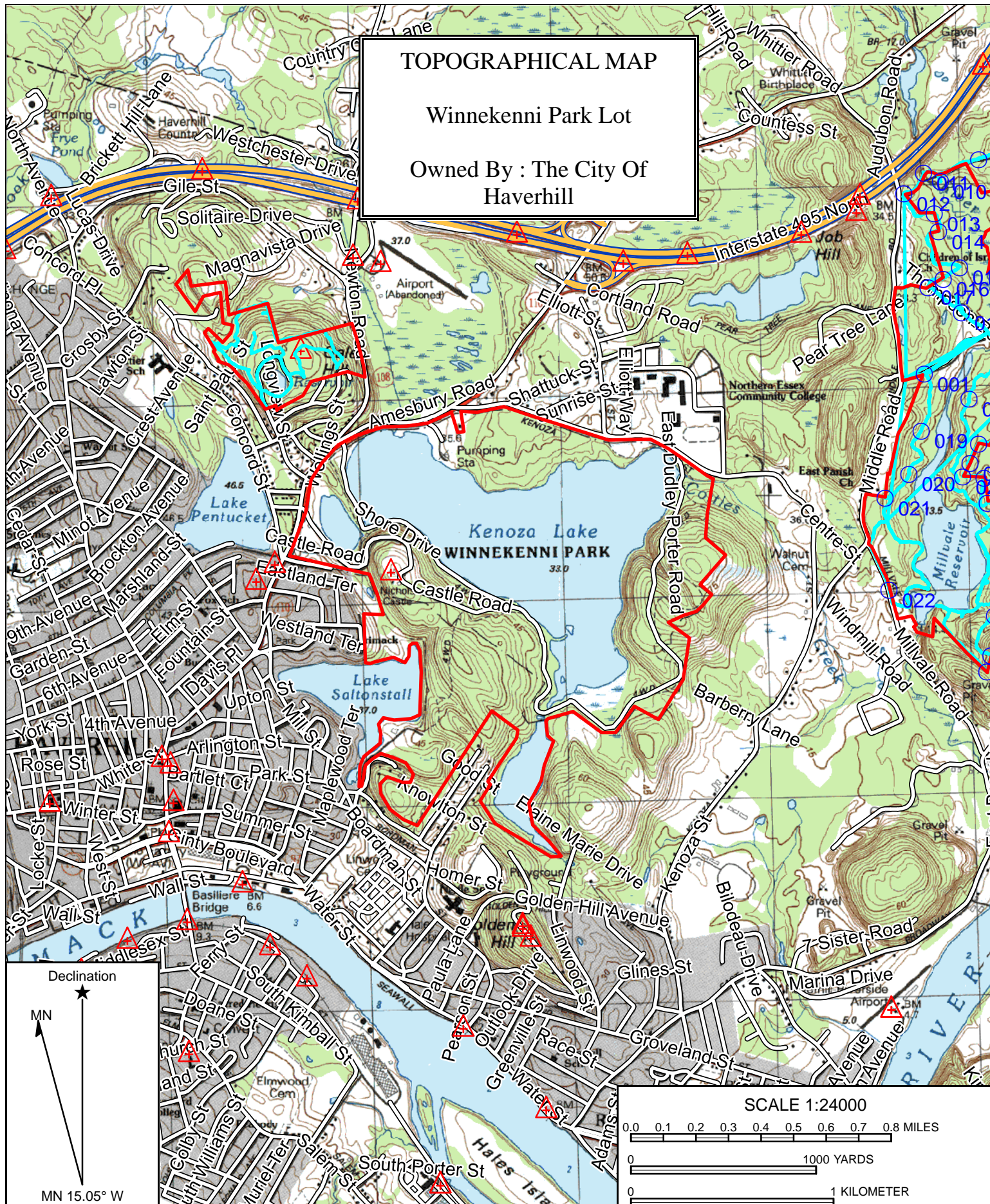
Owned By:
City of Haverhill
Haverhill Conservation Department

COMPARTMENT #3 274.93 Acres

Kenoza Lake

Great Pond





Name: HAVERHILL
Date: 10/14/14
Scale: 1 inch = 2,000 ft.

Location: 042° 47' 12.12" N 071° 03' 27.95" W
Winnekenni Park